
Blower/Motor Replacement Kit for PERFORMANCE Products



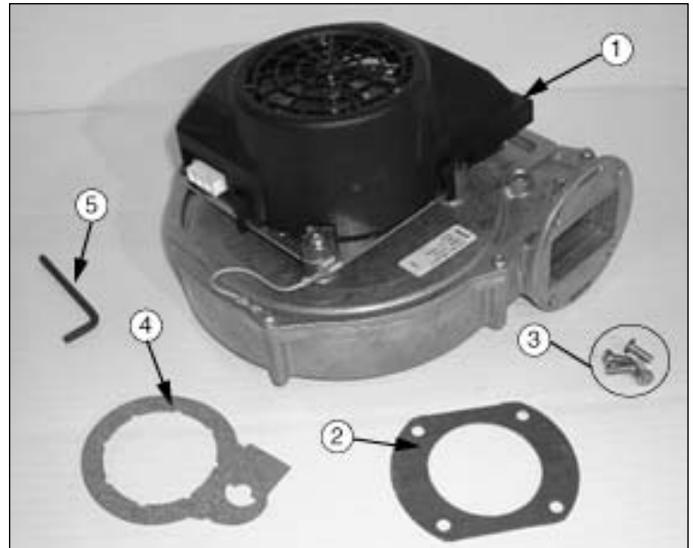
Kit Part Numbers:
PG-25: PGRKIT02
PG-30: PGRKIT03
PG-35: PGRKIT04
PG-40: PGRKIT05
PG-45: PGRKIT06

Parts List

1. Blower/motor housing.
2. Blower to burner mounting plate gasket.
3. 4 - M5 phillips screws. (For attaching the new blower/motor assembly to the burner mounting plate if needed.)
4. Venturi to blower housing gasket.
5. # 25 torex wrench.

Recommended tools:

- A. Pipe wrench.
- B. Phillips screw driver.
- C. Flat bladed putty knife.
- D. # 25 torex wrench. (Furnished in kit.)



WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/ service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

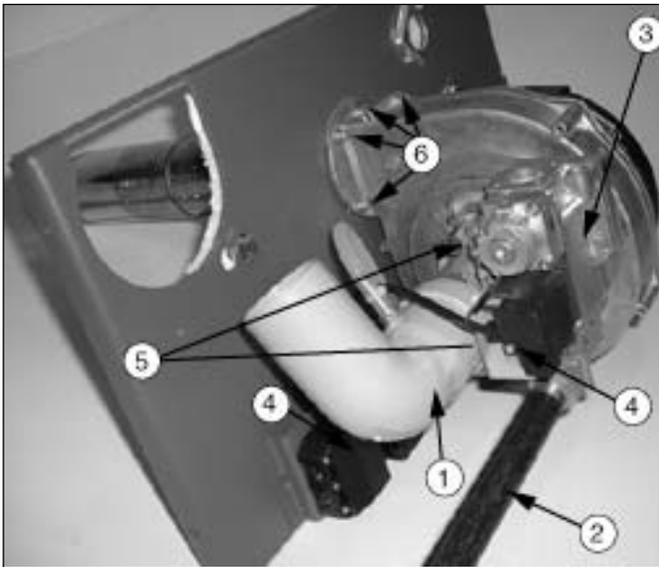
WARNING

For your safety, turn off electrical power supply at service panel before proceeding to avoid possible electrical shock hazard. Failure to do so can cause severe personal injury or death.

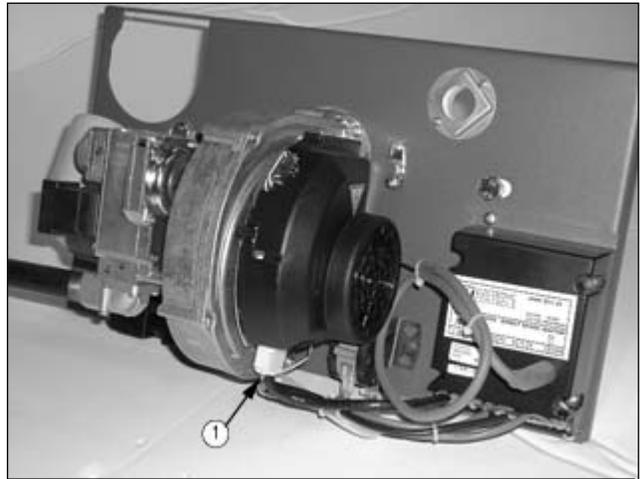
Blower/Motor Replacement Kit for PERFORMANCE Products

Instructions:

1. Turn power to the unit "OFF".
2. Shut off gas supply to the inlet of the unit at the main manual shutoff valve.
3. Disconnect the gas supply piping to the PERFORMANCE product.
4. Remove air inlet elbow from the venturi.
5. Unscrew the Phillips screw attaching the rectifier plug to the gas valve and remove the plug.
6. Remove the two screws attaching the venturi/gas valve assembly from the blower housing. Remove the venturi/gas valve assembly from the blower housing. Use torx wrench supplied in kit to remove screws.



1. Air inlet elbow
2. Gas inlet pipe
3. Gas valve
4. Burner snap set connector
5. Mounting screws for blower assembly
6. Blower assembly mounting screws. (Three of four are shown)



1. Blower assembly Molex

NOTICE

There is a gasket between the venture and blower housing. If the gasket "sticks" to the blower housing use a flat bladed putty knife to remove any gasket material. Make sure not to scratch or score the mating surface on the blower housing.

7. Remove the molex plug from the bottom of the motor.
8. Loosen the four Phillips head screws attaching the blower motor assembly to the burner mounting plate. Remove and discard the old blower/motor assembly.

NOTICE

There is a gasket between the blower housing and burner mounting plate. If the gasket "sticks" to the mounting plate use a flat bladed putty knife to remove any gasket material. Make sure not to scratch or score the mating surfaces.

NOTICE

For the reassembly process do not use adhesives on ANY gasket surface.

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9. With the new gasket in place attach the new blower/motor assembly to the burner mounting plate. (Use the 4 screws supplied in the kit if needed.)
10. Attach the mox plug to the bottom of the motor.

NOTICE

The mox plug will only fit in one direction. Do not force the plug. If the plug does not fit rotate the plug 180°.

11. With the venture to blower housing gasket in place reassemble the venture/gas valve to the blower housing. If the unit uses propane make sure the brass orifice is in place before reassembly.

WARNING

Failure to have the brass orifice in place for propane applications can result in the production of carbon dioxide due to incomplete combustion and may result in death, serious injury or substantial property damage.

12. Reconnect the rectifier plug to the gas valve using the Phillips head screw.
13. Reattach air inlet elbow to the venture.
14. Using pipe dope compatible with propane gas reconnect the gas supply piping to the PERFORMANCE product.
Before placing the PERFORMANCE unit back into operation check and test all gas

connections for leaks. Repair leaks if found.

WARNING

Do not check for gas leaks with an open flame. Use a bubble test. Failure to check for gas leaks can cause severe personal injury, death or substantial property damage.

15. Turn on gas supply to the inlet of the unit at the main manual shutoff valve.
16. Turn power to the unit "ON", returning the unit back into operation.
17. It is recommended that the installer performs a complete combustion test to ensure the following levels are met and the burner is operating at optimum conditions:
 - O₂ - 4.0% to 4.5%
 - CO₂: 9.5% to 10.0% (natural)
11.0% to 11.5% (propane)
 - CO - 0 to 50 ppm

WARNING

Failure to perform a complete combustion test may result in incomplete combustion and the production of CO, which can cause severe personal injury, death or substantial property damage.

WARNING

If the O₂ level is measured below 4.0%, contact triangle Tube's Engineering Department immediately. DO NOT attempt any further adjustments